RoSE 2024

Sixth International Workshop on Robotics Software Engineering

Co-located with the 46th ICSE 2024, April 2024, Lisbon, Portugal
https://rose-workshops.github.io/rose2024

Workshop organizers

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Program Committee (invited)

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Increasingly, challenging domains employ robotic applications. Yet, Robotics still is one of the most challenging domains for software engineering. Deploying robotics applications requires integrating solutions from experts of various domains, including navigation, path planning, manipulation, localization, human-robot interaction, etc. Integration of modules contributed by respective domain experts is one of the key challenges in engineering software-centric systems, yet only one of the cross-cutting software concerns that are crucial to robotics. As robots often operate in dynamic, partially observable and populated environments additional challenges include adaptability, robustness, safety, and security.

The goal of RoSE 2024 is to bring together researchers from participating domains with practitioners to identify new frontiers in robotics software engineering, discuss challenges raised by real-world applications, and transfer latest insights from research to industry. RoSE 2024 will solicit contributions from both academic and industrial participants, thus fostering active synergy between the two communities.

Prospective participants are invited to submit:

- research papers presenting novel contributions on advancing software engineering in robotics (max. 8 pages);
- challenge showcase papers describing robotics challenges considered insufficiently addressed from an industry perspective (max. 6 pages);
- lessons learned papers describing lessons learned in the collaboration between the two communities of SE and robotics (max. 6 pages);
- vision papers on the future of SE in robotics (max. 4 pages);
- tool & project papers on SE in robotics (max. 4 pages).

Workshop papers must follow the ICSE 2024 Format and Submission Guidelines, but will use a single blind submission process. All submitted papers will be reviewed on the basis of technical quality, relevance, significance, and clarity by the program committee.

Submissions must be done electronically in PDF format through EasyChair at https://easychair.org/conferences/?conf=rose2024.

The official publication date is the date the proceedings are made available in the ACM or IEEE Digital Libraries. This date may be up to two weeks prior to the first day of ICSE 2024. The official publication date affects the deadline for any patent filings related to published work. Purchases of additional pages in the proceedings is not allowed.

Important Dates

- Submission deadline: 13 December 2023
- Notification of acceptance: 24 January 2024
- Camera-ready version: 17 February 2024